

What is claimed is:

1. A digital cellular phone system having a base station, the digital cellular phone comprising:

a first user registering the digital cellular phone system and keeping contact with the base station, the first user belonged to a group;

the first user registering an entry notice function to the digital cellular phone system; and

informing the first user when a second user belonged to the group registers the digital cellular phone system and keeps contact with the base station.

2. The digital cellular phone system of claim 1, wherein when the first user is informed that the second user registers the base station, the second user is informed switching to a wireless system and is kept contact thereby.

3. The digital cellular phone system of claim 2, wherein the first user has a cellular phone for registering the cellular phone system and keeping contact with the base station and the cellular phone has an identification function of the base station serving for making sure an identity when the second user registers the wireless system.

4. The digital cellular phone system of claim 3, wherein the identification function comprises inputting a password by the second user.

5. The digital cellular phone system of claim 3, wherein the identification function comprises identifying a subscriber identity module of the second user.

6. The digital cellular phone system of claim 1, wherein the first user is informed by a short message service (SMS).

5        7. The digital cellular phone system of claim 1, wherein the digital cellular phone system informs the first user location information of the second user.

8. The digital cellular phone system of claim 7, wherein when the first user is informed the registration and location information of the second user, the second user is  
10 informed switching to a wireless system and the wireless system and the location information of the second user serve a contact between the first and the second users.

9. The digital cellular phone system of claim 8, wherein the first user has a cellular phone for registering the cellular phone system and keeping contact with the  
15 base station and the cellular phone has an identification function of the base station serving for making sure an identity when the second user registers the wireless system.

10. The digital cellular phone system of claim 9, wherein the cellular phone adjusts a transmission power of the wireless system by the location information of the  
20 second user.

11. The digital cellular phone system of claim 1, wherein the digital cellular phone system sets the group of the first user as a group of registration entry notice function when the first user registers the entry notice function.

12. The digital cellular phone system of claim 1, wherein the digital cellular phone system modifies a parameter of the entry notice function of the group therein when the first user registers the entry notice function.

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13. A digital cellular phone system having a base station and a second base station near thereto, the digital cellular phone system comprising:

a first user registering the digital cellular phone system and keeping contact with the base station, the first user belonged to a group;

10 the first user registering an entry notice function to the digital cellular phone system; and

informing the first user when a second user belonged to the group registers the digital cellular phone system and keeps contact with the base station.

15 14. The digital cellular phone system of claim 13, wherein when the first user is informed that the second user registers the second base station near to the first base station, the second user is informed switching to a wireless system and is kept contact thereby.

20 15. The digital cellular phone system of claim 14, wherein the first user has a cellular phone for registering the cellular phone system and keeping contact with the first base station and the cellular phone has an identification function of the first base station serving for making sure an identity when the second user registers the wireless system.

16. The digital cellular phone system of claim 15, wherein the identification function comprises inputting a password by the second user.

5           17. The digital cellular phone system of claim 15, wherein the identification function comprises identifying a subscriber identity module of the second user.

18. The digital cellular phone system of claim 13, wherein the first user is informed by a short message service (SMS).

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19. The digital cellular phone system of claim 13, wherein the digital cellular phone system informs the first user location information of the second user.

20. The digital cellular phone system of claim 19, wherein when the first user is  
15 informed the registration and location information of the second user, the second user is informed switching to a wireless system and the wireless system and the location information of the second user serve a contact between the first and the second users.

21. The digital cellular phone system of claim 20, wherein the first user has a  
20 cellular phone for registering the cellular phone system and keeping contact with the base station and the cellular phone has an identification function of the base station serving for making sure an identity when the second user registers the wireless system.

22. The digital cellular phone system of claim 21, wherein the cellular phone adjusts a transmission power of the wireless system by the location information of the second user.

5           23. The digital cellular phone system of claim 13, wherein the digital cellular  
phone system sets the group of the first user as a group of registration entry notice  
function when the first user register the entry notice function.

24. The digital cellular phone system of claim 13, wherein the digital cellular  
10 phone system modifies a parameter of the entry notice function of the group therein  
when the first user register the entry notice function.

25. A cellular phone adapted to register a entry notice function of a digital cellular phone system, the digital cellular phone system having a base station, the cellular phone serving for registering the digital cellular phone system and keeping contact with the base station, a first user of the cellular phone belonged to a group, the cellular phone informed when the cellular registers an entry notice function of the digital cellular phone system and a second user belonged to the group registers the digital cellular phone system and keeps contact with the base station.

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26. The cellular phone of claim 25, wherein when the first user is informed that the second user registers the base station, the second user is informed switching to a wireless system and is kept contact therewith by another cellular phone of the second user.

27. The cellular phone of claim 26, wherein the cellular phone has an identification function of the base station serving for making sure an identity when the second user registers the wireless system.

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28. The cellular phone of claim 27, wherein the identification function comprises inputting a password by the second user.

29. The cellular phone of claim 27, wherein the identification function  
10 comprises identifying a subscriber identity module of the second user.

30. The cellular phone of claim 25, wherein the cellular phone is informed by a short message service (SMS).

15 31. The cellular phone of claim 25, wherein the digital cellular phone system informs the first user location information of the second user.

32. The cellular phone of claim 31, wherein when the cellular phone is informed the registration and location information of the second user, the second user is informed  
20 switching to a wireless system and the wireless system and the location information of the second user serve a contact with the another cellular phone the second user.

33. The cellular phone of claim 32, wherein the cellular phone has an identification function of the base station serving for making sure an identity when the second user registers the wireless system.

5           34. The cellular phone of claim 33, wherein the identification function comprises inputting a password by the second user.

35. The cellular phone of claim 33, wherein the identification function comprises identifying a subscriber identity module of the second user.

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36. A cellular phone adapted to register a entry notice function of a digital cellular phone system, the digital cellular phone system having a first and a second base stations, the cellular phone serving for registering the digital cellular phone system and keeping contact with the first base station, a first user of the cellular phone belonged to a group, the cellular phone informed when the cellular registers an entry notice function of the digital cellular phone system and a second user belonged to the group registers the digital cellular phone system and keeps contact with the second base station.

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37. The cellular phone of claim 36, wherein when the first user is informed that the second user registers the second base station, the second user is informed switching to a wireless system and is kept contact therewith by another cellular phone of the second user.

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38. The cellular phone of claim 36, wherein the cellular phone has an identification function of the base station serving for making sure an identity when the second user registers the wireless system.

5           39. The cellular phone of claim 38, wherein the identification function comprises inputting a password by the second user.

40. The cellular phone of claim 38, wherein the identification function comprises identifying a subscriber identity module of the second user.

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41. The cellular phone of claim 36, wherein the cellular phone is informed by a short message service (SMS).

42. The cellular phone of claim 36, wherein the digital cellular phone system  
15 informs the first user location information of the second user.

43. The cellular phone of claim 42, wherein when the cellular phone is informed the registration and location information of the second user, the second user is informed switching to a wireless system and the wireless system and the location information of  
20 the second user serve a contact with the another cellular phone the second user.

44. The cellular phone of claim 43, wherein the cellular phone has an identification function of the base station serving for making sure an identity when the second user registers the wireless system.



45. The cellular phone of claim 44, wherein the identification function comprises inputting a password by the second user.

5           46. The cellular phone of claim 44, wherein the identification function comprises identifying a subscriber identity module of the second user.